

Fig. 1

App No.: Not Yet Assigned

Docket No.: ADY-009

Inventor: Cydney C. Brooks

Title: METHODS FOR TREATING DIABETES AND INSULIN
RESISTANCE

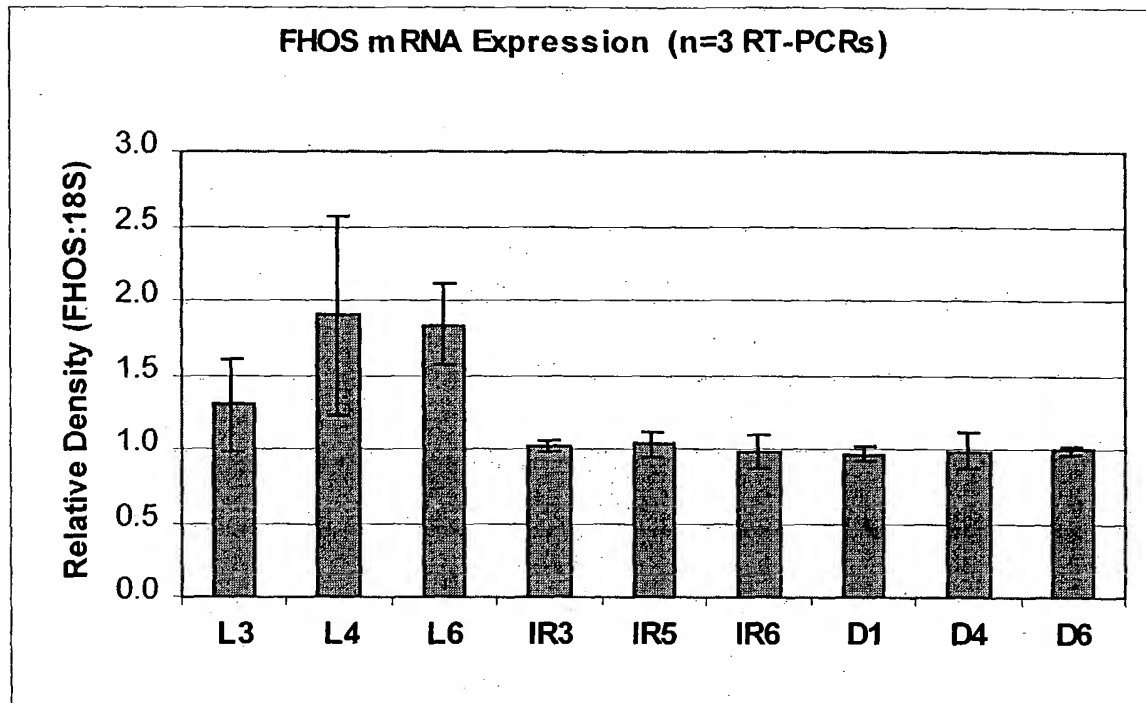


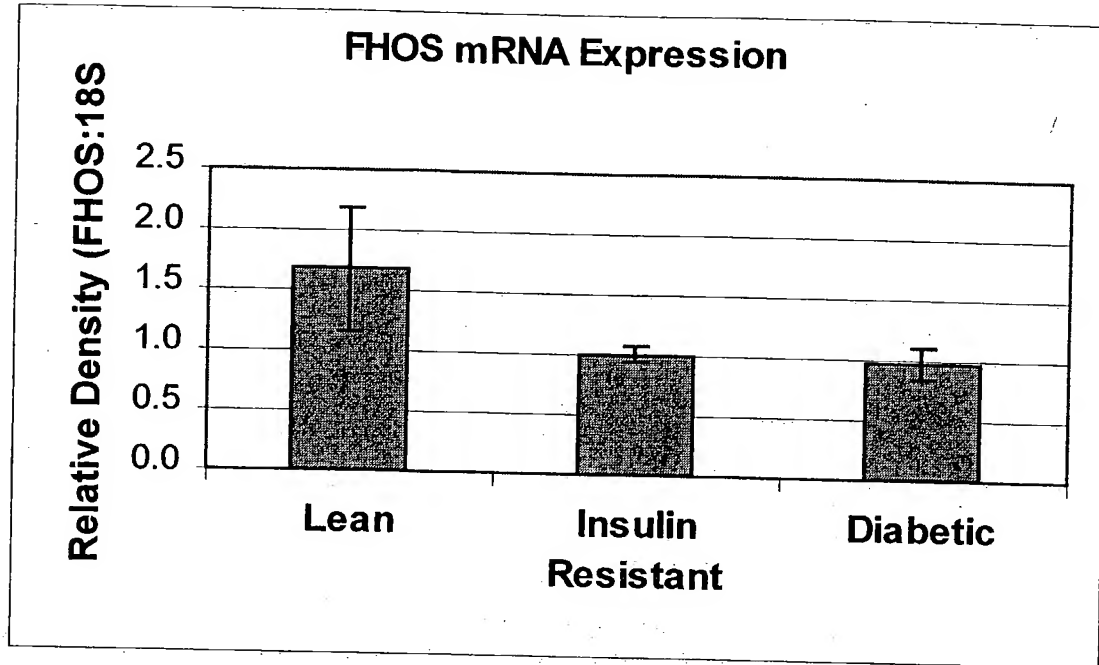
Fig. 2

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1	TGAGCCGGCC	GCAGAGCCAT	GGCGGGCGGG	GAAGACCGCG	GGGACGGAGA	GCCGGTATCA
61	GTGGTGACCG	TGAGGGTGCA	GTACCTGGAA	GACACCGACC	CCTTCGCATG	TGCCAACTTT
121	CCGGAGCCGC	GCCGGGCCCC	CACCTGCAGC	CTGGACGGGG	CGCTGCCCTT	GGGCGCGCAG
181	ATACCCGCGG	TGCACCGCCT	GCTGGGAGCG	CCGCTCAAGT	TGGAGGATTG	TGCTCTGCAA
241	GTGTCTCCCT	CCGGATACTA	CCTGGACACC	GAGCTGTCCC	TGGAAGAGCA	GCGGGAGATG
301	CTGGAGGGCT	TCTATGAAGA	GATCAGCAAA	GGGCGGAAGC	CCACGCTGAT	CCTTCGGACC
361	CAGCTCTCTG	TGAGGGTCAA	CGCTATCTTG	GAAAAGCTGT	ATAGCTCCAG	TGGTCCTGAG
421	CTCCGCCGCT	CCCTCTTCTC	ACTGAAGCAG	ATCTTCCAGG	AGGACAAAGA	CCTGGTGCCT
481	GAATTTGTGC	ATTGAGAGGG	GCTGAGCTGC	CTGATCCGTG	TGGGTGCTGC	TGCCGACCAC
541	AATAACAGCA	GCTACATCCT	TAGAGCGCTC	GGCCAGCTGA	TGCTCTTTGT	GGATGGAATG
601	CTGGGGGTGG	TGGCCACAG	TGACACTATT	CAGTGGCTGT	ACACATTGTG	TGCCAGCCTG
661	TCCCGCTTGG	TGGTGAAGAC	AGCCCTGAAG	CTGCTGTTGG	TGTTGTAGA	ATACTCCGAA
721	AACAACGCAC	CGCTGTTTCT	CCGTGCAGTG	AACTCTGTGG	CCACGACCAC	CGGTGCTCCT
781	CCCTGGGCCA	ATCTGGTGTC	CATCCTGGAG	GAGAAGAATG	GCGCTGACCC	TGAGTTGTTG
841	GTGTACACGG	TCACCCTCAT	CAACAAGACG	CTGGCGGCGC	TCCCGGACCA	GGACTCCTTC
901	TACGATGTGA	CGGATGCACT	GGAGCAGCAG	GGCATGGACA	CGCTGGTCCA	GCGCCACCTG
961	GGCACTGCGG	GCACTGACGT	CGACCTGCGC	ACGCAGCTTG	TGCTCTACGA	GAACGCCCTG
1021	AAATTGGAGG	ATGGAGACAT	CGAAGAAGCC	CCAGGCGCTG	GTGGGCGGCG	GGAACGACGA
1081	AAGCCTTCTT	CTGAGGAGGG	CAAGAGGAGC	CGCCGTTCTC	TGGAAGGCGG	GGGCTGCCCC
1141	GCGCGTGCCC	CGGAACCTGG	CCCCACAGGC	CCCGCCTCAC	CGGTAGGCCC	CACCTCTTCC
1201	ACCGGCCCCG	CCCTGCTGAC	AGGCCCCGCC	TCCAGCCCTG	TGGGCCCTCC	CTCCGGTCTC
1261	CAAGCTTCAG	TGAACCTTTT	TCCTACCATC	TCTGTGGCAC	CCTCAGCTGA	CACCTCCAGC
1321	GAGAGGAGCA	TCTACAAAGC	CCGTTTCCTG	GAGAATGTGG	CGGCAGCAGA	AACAGAGAAG
1381	CAGGTTGCGC	TGGCCACAGG	CCGGGCAGAG	ACACTTGCCG	GGGCCATGCC	CAATGAGGCG
1441	GGTGGACACC	CAGATGCCCC	GCAACTCTGG	GACTCCCCAG	AGACAGCCCC	TGCAGCCAGA
1501	ACACCCGAGA	GCCCTGCCCC	CTGTGTCTTG	CTCCGGGCCC	AGCGAAGCCT	TGCACCAGAG
1561	CCCAAGGAGC	CAGTATGACC	AGCAAGCCCC	AAGGCTGAGC	CCATCTGGGA	GCTCCCTACC
1621	CGTGCACCCA	GGCTCTCTAT	TGGGGACCTG	GACTTTTCAG	ATCTAGGGGA	GGATGAAGAC
1681	CAGGACATGC	TGAATGTAGA	GTCTGTGGAG	GCTGGGAAAG	ACATCCAGC	TCCCTCACCC
1741	CCACTGCCCC	TGCTCTCGGG	AGTACCCCCC	CCTCCCCCAC	TTCCACCTCC	CCCACCCATC
1801	AAAGGCCCCC	TCCCACCACC	TCCACCTCTA	CCTCTGGCTG	CCCCTCTTCC	CCATTGAGTG
1861	CCTGACAGCT	CAGCCCTCCC	CACCTAAGAG	AAGACAGTAA	AACTTTTCTG	GCGTGACGTG
1921	AAGCTGGCTG	GGGGCCATGG	AGTCTCTGCA	AGCCGCTTGG	GGCCCTGCGC	CACCTCTGCG
1981	GCTTCACTGG	ACCCTGTCTC	AGTGGACACG	GCCCGACTGG	AACACCTCTT	TGAGTCTCGT
2041	GCCAAAGAGG	TGCTGCCCTC	CAAGAAAGCT	GGAGAGGGCC	GCCGGACAAT	GACCACAGTG
2101	CTGGACCCCA	AGCGCACGAA	CGCCATCAAC	ATCGGCCCTAA	CCACACTGCC	ACCTGTGCAT
2161	GTCATTAAGG	CTGCTCTGCT	CAACTTTGAT	GAGTTTGCTG	TCAGCAAGGA	TGGCATTGAG
2221	AAGCTACTGA	CCATGATGCC	CACGGAGGAA	GAGCGGCAGA	AGATTGAGGG	AGCCCAGCTG
2281	GCCAACCCTG	ACATACCCCT	GGGCCAGACC	GAGAACTTCC	TGATGACTCT	TGCCTCCATT
2341	GGCGGCCTCG	CTGCTCGTCT	ACAACCTCTG	GCCTTCAAGC	TGGACTATGA	CAGCATGGAG
2401	CGGGAAATTG	CTGAGCCACT	GTTTGACCTG	AAAGTGGGTA	TGGAACAGCT	GGTACAGAAT
2461	GCCACCTTCC	GCTGCATCCT	GGCTACCTC	CTAGCTGTGG	GCAACTTCCT	CAATGGCTCC
2521	CAGAGCAGCG	GCTTTGAGCT	GAGCTACCTG	GAGAAGGTGT	CAGATGTGAA	GGACACGGTG
2581	CGTCGACAGT	CAGTGTACAG	CCATCTCTGC	TCCCTAGTGC	TCCAGACCCG	GCCTGAGTCC
2641	TCTGACCTCT	ATTGAGAAAT	CCCTGCCCTG	ACCCGCTGTG	CCAAGGTGGA	CTTTGAACAG
2701	CTGACTGAGA	ACCTGGGGCA	GCTGGAGCGC	CGGAGCCGGG	CAGCCGAGGA	AAGCCTGCGG
2761	AGCTTGGCCA	AGCATGAGCT	GGCCCCAGCC	CTGCGTGCCC	GCCTCACCCA	CTTCTGGAC
2821	CAGTGTGCCC	GCCGTGTTGC	CATGCTAAGG	ATAGTGACCC	GCCGTGTCTG	CAATAGGTTT
2881	CATGCCTTCC	TGCTCTACCT	GGGCTACACC	CCGCAGGCGG	CCCGTGAAGT	GCGCATCATG
2941	CAGTTCTGCC	ACACGCTGCG	GGAATTTGCG	CTTGAGTATC	GGACTTGCCG	GGAACGAGTG
3001	CTACAGCAGC	AGCAGAAGCA	GGCCACATAC	CGTGAGCGCA	ACAAGACCCG	GGGACGCATG
3061	ATCACCGAGA	CAGAGAAGTT	CTCAGGTGTG	GCTGGGGAAG	CCCCAGCAA	CCCCTCTGTC
3121	CCAGTAGCAG	TGAGCAGCGG	GCCAGGCCGG	GGAGATGCTG	ACAGTCATGC	TAGTATGAAG
3181	AGTCTGCTGA	CCAGCAGGCT	TGAGGACACC	ACACACAATC	GCCGCAGCAG	AGGCATGGTC
3241	CAGAGCAGCT	CCCCAATCAT	GCCCACAGTG	GGGCCCTCCA	CTGCATCCCC	AGAAGAACCC
3301	CCAGGCTCCA	GTTTACCCAG	TGATACATCA	GATGAGATCA	TGGACCTTCT	GGTGCAGTCA
3361	GTGACCAAGA	GCAGTCCTCG	TGCCCTTAGCT	GCTAGGGAAC	GCAAGCGTTC	CCGCGGCAAC
3421	CGCAAGTCTT	TGAGAAGGAC	GTTGAAGAGT	GGGCTCGGAG	ATGACCTGGT	GCAGGCACTG

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Fig. 3B

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3481 GGA CTAAGCA AGGGTCCTGG CCTGGAGGTG TGAAGGTGCT GTATCCCGGA AATCTATCTG
3541 GACCCTGGAC TGCAGTGCAG GAGATGACAG AGTGAGGAGG GCCCAGAGCA GAATTCTGGC
3601 CCCAGAACTC TGTGCCCAGG AGCCATGCCT TGAGCAGTAT TAGCCGTGTG TGTATGCATG
3661 TGAGTGTGTG TGTATGTGTG TGTGTGCATG CATATGCATG TGCATGTGTG TGAGCTCCTT
3721 GAACGCACGG AGCAAAATAA AATTTTCTTA GCTAATCCCA AAAAAAAAAA AAAAA
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1 MAGGEDRGDG EPVSVVTVRV QYLEDTPFA CANFPEPRRA PTCSLDGALP LGAQIPAVHR
61 LLGAPLKLED CALQVSPSGY YLDELSLEE QREMLEGFYE EISKGRKPTL ILRTQLSVRV
121 NAILEKLYSS SGPELRRSLF SLKQIFQEDK DLVPEFVHSE GLSCLIRVGA AADHNYQSYI
181 LRALGQLMLF VDGM LGVVAH SDTIQWLYTL CASLSRLVVK TALKLLLVFV EYSENNAPLF
241 IRVNSVATT TGAPPWANLV SILEEKNGAD PELLVYTVTL INKTLAALPD QDSFYDVTDA
301 LEQQGMDTLV QRHLGTAGTD VDLRTQLVLY ENALKLEDGD IEEAPGAGGR RERRKPSSEE
361 GKRSRRSLEG GGCPARAPEP GPTGPASVPG PTSSTGPALL TGPASSPVGP PSGLQASVNL
421 FPTISVAPSA DTSSERSIYK ARFLENVAAA ETEKQVALAQ GRAETLAGAM PNEAGGHPDA
481 RQLWDSMETA PAARTPQSPA PCVLLRAQRS LAPEPKEPLI PASPKAEPIW ELPTRAPRLS
541 IGDLD FSDLG EDEDQDMLNV ESVEAGKDIP APSPLPLLS GVPPPPPLPP PPPIKGPFPF
601 PPPLPLAAPL PHSVPDSSAL PTKRKTVKLF WRDVKLAGGH GVSASRFGPC ATLWASLDPV
661 SVD TARLEHL FESRAKEVLP SKKAGEGRRT MTTVLDPKRT NAINIGLTTL PPVHVIKAAL
721 LNFDEFVAVSK DGIEKLLTMM PTEEERQKIE GAQLANPDIP LGPAENFLMT LASIGGLAAR
781 LQLWAFKLDY DSMEREIAEP LFDLKVGM EQ LVQNATFRCI LATLLAVGNF LNQSQSSGFE
841 LSYLEKVSDV KDTVRRQSL HHLCSLVLT RPESSDLYSE IPALTRCAKV DFEQLTENLG
901 QLERRSRAAE ESLRSLAKHE LAPALRARLT HFLDQCARRV AMLRIVHRRV CNRFHAFLLY
961 LGYTPQAARE VRIMQFCHTL REFALEYRTC RERV LQQQQK QATYRERNKT RGRMITETEK
1021 FSGVAGEAPS NPSVPVAVSS GPGRGDADSH ASMKSLT SR LEDTTHNRRS RGMVQSSSPI
1081 MPTVGPSTAS PEEPPGSSLP SDTSDEIMDL LVQSVTKSSP RALAARERKR SRGNRKSLRR
1141 TLKSGLGDDL VQALGLSKGP GLEV